

Saksham Shrestha

Curriculum Vitae

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I am a dedicated and effective individual having 3 years' experience in System and DevOps Engineering field of having to build, test, manage and optimize infrastructures. Driven individual having good work ethic, collaborating with the team to solve problems and possessing the capability to prioritize and complete tasks as well as being safety-minded with time management abilities.

Education	Qualification	Institute Name	Board/ University	Year
	MSc Advance Computing	British College, Thapathali, Kathmandu	Keele University, UK	2023-2024
	BSc (Hons) Computing.	British College, Thapathali, Kathmandu	Leeds Beckett University, UK	2019
	BTEC HND in Computing and Systems Development	International School of Management and Technology, Gairigaun, Kathmandu.	Pearson, UK	2016-2018
	Plus 2	Gems Institute of Higher Education, Dhapakhel, Lalitpur.	National Examination Board, Nepal	2015
	SLC	Graded English Medium School, Dhapakhel, Lalitpur.	National Examination Board, Nepal	2013

Trainings and Certifications	<ul style="list-style-type: none">• Red Hat Enterprise Linux Training from Broadway Infosys.• Red Hat Certified System Administrator (RHCSA) certification.• Red Hat Certified Engineer (RHCE) certification
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Projects	<ul style="list-style-type: none">• Interactive Voice Record: Incharge of configuring and maintaining Servers, Storage, Firewall, Setting up Virtualization platform, Configurations, Support in Virtualizing Servers, OS for Nepal Telecom• Mobile Financial System: Incharge of configuring and maintaining Servers, Storage, Firewall, Configurations, Setting up Virtualization platform, Support in Virtualizing Servers, OS for Nepal Telecom <p>https://www.namastepay.com/</p> <p>Android and IOS: <u>Namaste Pay</u></p> <ul style="list-style-type: none">• Anydone Application: Incharge of infrastructure setup in Kubernetes, deployment, maintenance of cloud(GCP), containers, cloud-native CI/CD pipelines, external services <p>https://anydone.com/</p>
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	https://app.anydone.com Android and IOS: <u>anydone</u> <ul style="list-style-type: none"> • Face Attendance System: Incharge of infrastructure setup, deployment and maintenance of Containers in Proxmox LXC. • Biometrics System: Incharge of Kubernetes Micro K8's infrastructure setup, Kubeadm deployment and maintenance in Proxmox Server for Nepal Police
Work Experience	Genexx Pvt.Ltd , Kupondole, Nepal (March 2020– March 2022) <ul style="list-style-type: none"> • As a System Engineer <ul style="list-style-type: none"> - Manage Physical Server/Storage/Firewall Infrastructure - Configure Server and Storage as required for the Application team - Virtualize servers (Esxi, OVM) - Deploy configurations needed to run the application - Installation of OS and troubleshooting of the Systems - Worked on in-built firewalls - Automate manual tasks - Technical Support for the Application Team - Coordinate and Perform additional changes to the system/OS that includes installation/configuration/testing of hardware and Software Installation as well. - Provide helpdesk support from home - Maintain System Documentation
	Freelancer
	<ul style="list-style-type: none"> • Freelance as DevOps Support (April 2022) <ul style="list-style-type: none"> - Manage infrastructure and platform in cloud (AWS) - Work with Docker and Container - Automate resources using infrastructure provisioning and configuration management tool (Terraform, Ansible) - Coordinate with Development team and assists them using Version Control Systems (Git)
	Instructor <ul style="list-style-type: none"> • Red Hat Instructor at Softwarica College of IT and E-commerce (Contract: June 2022-September 2022) • Red Hat Instructor at Nepal Army ((Contract: June 2022-August 2022)

	<ul style="list-style-type: none"> Red Hat Instructor at Broadway Infosys (since May 2022)
	Treeleaf Technologies Pvt.Ltd , Shankhamul, Nepal (September 2022 – April 2024)
	<p>As a DevOps Engineer</p> <ul style="list-style-type: none"> - Manage infrastructure and platform in cloud (GCP) - Kubernetes cluster deployment for dev and prod environments - Build and Manage CI/CD Pipelines - Deploy frontend webapps via Google Cloud Run - Work with Docker and Container - Orchestrate Containers using Kubernetes. - Deploy Microservices via helm-charts and pipelines - Monitor pods resources and utilization - Manage MySQL Databases - Create base Docker images - Create and Deploy new services and API's in both Development and Production environment - Add and Deploy additional changes in configurations accordingly. - Setup API Gateway for dev and prod environments - Configure and deploy gRPC gateway - Setup Pritunl VPN for secure connection for production environment. - Deployed monitoring tools like Prometheus and Grafana. - Deployed Elasticsearch and Kibana for Logging - Setup other external services like redis, kafka, kafdrop, milvus, - Work and coordinate with Development team for error fix - Worked on Nginx Proxy Manager. - Deployed MinIO for local buckets. - Setup Proxmox Server Locally. - Deploy Proxmox LXC and VM's. - Setup Microk8's in Ubuntu VM
Skills	<p>Tools: CI/CD, Monitoring, Logging, Ingress, gRPC Gateway</p> <p>VCS: Git, Github</p> <p>Google Cloud Services: VM Instance, Cloudbuild, Cloud DNS, Cloudrun, Cloud SQL, GKE, Container Registry,</p> <p>AWS Services: EC2, ECR, EKS, CodeBuild</p> <p>Containers and Orchestration: Docker, Kubernetes</p> <p>Collaboration: anyone</p>

Personal Details	Date of Birth : January 26, 1997 Gender : Male Marital Status : Single Nationality : Nepali Present Address : Koteswor, Kathmandu, Nepal
Hobbies	<ul style="list-style-type: none"> • Listening to Music; • Playing Chess. • Team Sports. • Video Games.
Reference	<p>#1 Name: Mr. Subash Neupane Company Name: IT Security Nepal Company Location: Baneshwor, Kathmandu Designation: Executive Director Relationship: Instructor Contact No: 9851165508</p> <p>#2 Name: Mr. Saroj Shakya Company Name: British College Company Location: Thapathali, Kathmandu Designation: Lecturer Relationship: Project Supervisor Contact No: 9851198522</p>